

NUTRIENT ANALYSIS REPORT

For compliance with General Permit for Nitrogen Discharges

Facility Name: New Haven

Month of: December-2012

Permit Number: CT0100366

Design Flow: 40,000,000

FINAL EFFLUENT

(A) Sample Date	(B) TKN mg/L	+	(C) Nitrite + Nitrate mg/L	=	(D) Total Nitrogen mg/L	x	(E) Average Daily Flow, (mgd)	x		=	(F) Total Nitrogen lbs/day
12/2/12	2.2	+	4.1	=	6.3	x	24.7	x	8.34	=	1298
12/3/12	3.1	+	3.4	=	6.5	x	24.6	x	8.34	=	1334
12/5/12	2.2	+	3.0	=	5.2	x	24.0	x	8.34	=	1041
12/6/12	2.2	+	3.4	=	5.6	x	23.5	x	8.34	=	1098
12/9/12	2.1	+	3.3	=	5.4	x	25.0	x	8.34	=	1126
12/10/12	20.0	+	1.7	=	21.7	x	34.2	x	8.34	=	6189
12/12/12	2.1	+	2.4	=	4.5	x	24.5	x	8.34	=	919
12/13/12	2.3	+	2.5	=	4.8	x	24.6	x	8.34	=	985
12/16/12	4.7	+	2.8	=	7.5	x	26.3	x	8.34	=	1645
12/17/12	8.3	+	0.4	=	8.7	x	32.3	x	8.34	=	2344
12/19/12	3.7	+	1.9	=	5.6	x	27.8	x	8.34	=	1298
12/20/12	1.8	+	2.2	=	4.0	x	26.1	x	8.34	=	871
12/23/12	1.6	+	2.6	=	4.2	x	27.7	x	8.34	=	970
12/25/12	2.1	+	2.8	=	4.9	x	26.7	x	8.34	=	1091
12/26/12	1.9	+	3.8	=	5.7	x	25.3	x	8.34	=	1203
12/27/12	25.0	+	1.2	=	26.2	x	43.4	x	8.34	=	9483
12/30/12	1.5	+	2.5	=	4.0	x	27.7	x	8.34	=	924
Total Pounds										=	33819
(G) Average Pounds										=	1989

Date of Last Calibration of Flow Meter: 06/20/2012

Note:

(A) Sample Date: Date of Sampling ended

(B) TKN (mg/L): A single number because TKN is the sum of ammonia and organic nitrogen

(C) Nitrite + Nitrate: A single number

(D) Total Nitrogen (mg/L): TKN + (nitrite + nitrate) = Total Nitrogen, rounded to 0.1 mg/L

(E) Average Daily Flow (mgd): Day of sampling: Rounded to 0.1 mgd if design flow is 1.0 mgd or more.

Round to nearest 0.01 mgd if design flow is less than 1.0 mgd.

(F) Total Pounds: Sum of all monitoring days

(G) Average Pounds: Total pounds/ Number of days; rounded to nearest whole number. Must also be reported in DMR.

STATEMENT OF ACKNOWLEDGEMENT

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

Authorized Official: _____

Title: Project Manager

Date: 1/10/2013